ELSEVIER

Journal of Electroanalytical Chemistry 435 (1997) 273

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Author index

Abruña, H.D. 241
Alonso, C. 241
Amatore, C. 165
Amemiya, T. 31
Aramata, A. 55
Audebert, P. 85

Ball, J.C. 229
Baltrunas, G. 95
Belgsir, E.M. 69
Berlouis, L.E.A. 173
Bijl, F.J.C. 137
Brevet, P.F. 173

Cabot, P.L. 255
Casado, J. 255
Cellucci, F. 113
Centelles, M. 255
Centonze, D. 103
Chazalviel, J.-N. 225
Cignini, P.L. 113
Cisbani, E. 113
Compton, R.G. 229
Cooper, J.A. 229
Cruickshank, F.R. 173

Deng, Q. 11
De Paoli, M.-A. 217
Dominati, F. 259
Dong, S. 11, 23

Escudero, M.L. 241

Fahys, B. 259
Farsang, G. 165
Feliu, S. 1
Feliu, V. 1
Forzani, E.S. 77
Frullani, S. 113
Fujishima, A. 31
Fukuda, T. 55

Gaillon, L. 85
García-Alonso, M.C. 241
Gigli, G. 113
Gómez, R. 205
Gonçalves, A.-M. 259
Gonnissen, D. 149
Gonzalez, E.R. 179
Goux, C. 259
Gozzi, D. 113
Gutierrez, A. 241

Hapiot, P. 85
Hashimoto, K. 31
Herlem, G. 259
Hilmi, A. 69
Hubin, A. 149

Ibrahim, S.K. 189

Jackson, F. 173

Kim, J.J. 31
Kozlowski, J. 267
Krogulec, T. 267

Lamy, C. 69
Le Gall, T. 189
Léger, J.-M. 69
Lère-Porte, J.-P. 85
Li, X.-y. 23
Lochran, S. 173
López, M.F. 241
Losito, I. 103

Malitesta, C. 103
Maroun, F. 225
Mastragostino, M. 217
Mathieu, C. 259
Moreau, J.J.E. 85
Mubarak, M.S. 47

Ozanam, F. 225

Palmisano, F. 103
Papaconstantinou, E. 17
Papadakis, A. 17
Pascual, M.J. 241
Passos, M.S. 189
Penneau, J.-F. 259
Perez, J. 179
Peters, D.G. 47
Pickett, C.J. 189
Popkirov, G.S. 95

Queiros, M.A. 189

Rault-Berthelot, J. 157
Rivas, G.A. 77
Rocco, A.M. 217
Rozé, C. 157

Salomón, A.B. 241
Sandberg, M. 39
Schindler, R.N. 95
Segarra, L. 255
Shen, J. 63
Simon, P. 165
Simons, W. 149
Sluyters, J.H. 137
Sluyters-Rehbach, M. 137
Solís, V.M. 77
Souliotis, A. 17
Sun, C. 63
Sun, Y. 63
Sutter, E. 259
Szulborska, A. 267

Taguchi, S. 55
Tomellini, M. 113
Trokourey, A. 259
Tryk, D.A. 31

Urciuoli, G.M. 113

Villullas, H.M. 179

Wang, B. 23
Wark, A. 173
Weaver, M.J. 205
Weber, S.G. 39
Winkler, K. 267
Woltman, S.J. 39
Wong Chi Man, M. 85

Xia, W. 39
Xu, H. 63

Zambonin, P.G. 103
Zanelli, A. 217
Zhang, X. 63
Zhao, J. 63

ELSEVIER

Journal of Electroanalytical Chemistry 435 (1997) 275–277

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Subject index

Aliphatic diols
Electrocatalytic oxidation of aliphatic diols. Part V. Electro-oxidation of butanediols on platinum based electrodes (Hilmi et al.) 69
Amalgamated gold electrode
Cyclic voltammetry of *S*-sulfocysteine at a gold + mercury amalgam electrode and application to dual electrode electrochemical detection (Xia et al.) 39
Amperometric sensor
Fabrication of multilayer films containing 1:12 phosphomolybdic anions on the surface of a gold electrode based on electrostatic interaction and its application as an electrochemical detector in flow-injection amperometric detection of hydrogen peroxide (Sun et al.) 63
Amperometry
Amperometric determination of dopamine on vegetal-tissue enzymaticelectrodes. Analysis of interferents and enzymatic selectivity (Forzani et al.) 77
Anisotropy measurements
In-situ ellipsometry and SHG measurements of the growth of CdS layers on $Cd_xHg_{1-x}Te$ (Wark et al.) 173
Anodic biases
Surface modification of platinum and gold electrodes by anodic oxidation of pure ethylenediamine (Herlem et al.) 259
Anodic oxidation
Affinity of poly(phenylcyanomethylenefluorene) and poly(dicyanomethylenefluorene) towards metallic cations. Uses of the new interfaces in electrocatalysis (Rault-Berthelot, Rozé) 157
Anodic stripping voltammetry
Anodic stripping voltammetry at flow-through electrodes: theory and experiment (Ball et al.) 229

Butanediols
Electrocatalytic oxidation of aliphatic diols. Part V. Electro-oxidation of butanediols on platinum based electrodes (Hilmi et al.) 69

Carbon cathodes
Electrochemical reduction of di-, tri-, and tetrahalobenzenes at carbon cathodes in dimethylformamide. Evidence for a halogen dance during the electrolysis of 1,2,4,5-tetrabromobenzene (Mubarak, Peters) 47
CdS films
In-situ ellipsometry and SHG measurements of the growth of CdS layers on $Cd_xHg_{1-x}Te$ (Wark et al.) 173
CFC 113
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255
Channel electrodes
Anodic stripping voltammetry at flow-through electrodes: theory and experiment (Ball et al.) 229
Chemically-modified electrode
Fabrication of multilayer films containing 1:12 phosphomolybdic anions on the surface of a gold electrode based on electrostatic interaction and its application as an electrochemical detector in flow-injection amperometric detection of hydrogen peroxide (Sun et al.) 63
Chlorotrifluoroethene
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255
Chronoamperometry
Study of the initial stages of silver electrocrystallisation from silver thiosulphate complexes. Part II. Analysis of current transients (Gonnissen et al.) 149
Conducting organic salt
Electrochemical immobilisation of enzymes on conducting organic salt electrodes: characterisation of an oxygen independent and interference-free glucose biosensor (Centonze et al.) 103
Conducting polymer
Affinity of poly(phenylcyanomethylenefluorene) and poly(dicyanomethylenefluorene) towards metallic cations. Uses of the new interfaces in electrocatalysis (Rault-Berthelot, Rozé) 157
Copper
Cyclic voltammetry and XPS studies of monolayers deposited on gold and platinum electrodes displaced by mercaptopyridines. (Alonso et al.) 241
Cyclic voltammetry
Insights into the polymerization kinetics of some α-silylated thiophene oligomers (Hapiot et al.) 85
Cyclic voltammetry and XPS studies of monolayers deposited on gold and platinum electrodes displaced by mercaptopyridines. (Alonso et al.) 241
Cysteine
Cyclic voltammetry of *S*-sulfocysteine at a gold + mercury amalgam electrode and application to dual electrode electrochemical detection (Xia et al.) 39
Cystine
Cyclic voltammetry of *S*-sulfocysteine at a gold + mercury amalgam electrode and application to dual electrode electrochemical detection (Xia et al.) 39

Dechlorination
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255
Difluoroethane
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255
Difluoroethene
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255
Dopamine
Amperometric determination of dopamine on vegetal-tissue enzymaticelectrodes. Analysis of interferents and enzymatic selectivity (Forzani et al.) 77

Electrocatalysis
Functionalization of electrodes with polyoxometalates $P_2Mo_{18}O_{62}^{6-}$ and $P_2W_{18}O_{62}^{6-}$ (Papadakis et al.) 17
Structure sensitivity of oxygen reduction on platinum single crystal electrodes in acid solutions (Perez et al.) 179
Electrochemical detection
Cyclic voltammetry of *S*-sulfocysteine at a gold + mercury amalgam

electrode and application to dual electrode electrochemical detection (Xia et al.) 39
Electrochemical immobilisation
Electrochemical immobilisation of enzymes on conducting organic salt electrodes: characterisation of an oxygen independent and interference-free glucose biosensor (Centonze et al.) 103
Electrochemical reduction
Electrochemical reduction of di-, tri-, and tetrahalobenzenes at carbon cathodes in dimethylformamide. Evidence for a halogen dance during the electrolysis of 1,2,4,5-tetrabromobenzene (Mubarak, Peters) 47
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255
Electrocrystallisation
Study of the initial stages of silver electrocrystallisation from silver thiosulphate complexes. Part II. Analysis of current transients (Gonnissen et al.) 149
Electrolysis
Electrocatalytic oxidation of aliphatic diols. Part V. Electro-oxidation of butanediols on platinum based electrodes (Hilmi et al.) 69
Electrolytes
Color impedance and electrochemical impedance studies of WO_3 thin films: H^+ and Li^+ transport (Kim et al.) 31
Electropolymerisation
Solid-phase chemistry of electropolymers (Passos et al.) 189
Electropolymerization
Affinity of poly(phenylcyanomethylenefluorene) and poly(dicyanomethylenefluorene) towards metallic cations. Uses of the new interfaces in electrocatalysis (Rault-Berthelot, Rozé) 157
Electroreduction
The electrode processes of Ru(III) thiocyanate complexes at mercury and platinum electrodes (Winkler et al.) 267
Ellipsometry
In-situ ellipsometry and SHG measurements of the growth of CdS layers on $Cd_xHg_{1-x}Te$ (Wark et al.) 173
Enzymes
Amperometric determination of dopamine on vegetal-tissue enzymaticelectrodes. Analysis of interferents and enzymatic selectivity (Forzani et al.) 77
EQCM
Surface modification of platinum and gold electrodes by anodic oxidation of pure ethylenediamine (Herlem et al.) 259
Equivalent circuits
A method of obtaining the time domain response of an equivalent circuit model (Feliu, Feliu) 1
Ester pyrrole
Solid-phase chemistry of electropolymers (Passos et al.) 189
Ethylenediamine
Surface modification of platinum and gold electrodes by anodic oxidation of pure ethylenediamine (Herlem et al.) 259

Flow-injection analysis
Fabrication of multilayer films containing 1:12 phosphomolybdic anions on the surface of a gold electrode based on electrostatic interaction and its application as an electrochemical detector in flow-injection amperometric detection of hydrogen peroxide (Sun et al.) 63
Flow-through electrodes
Anodic stripping voltammetry at flow-through electrodes: theory and experiment (Ball et al.) 229
Fluoroethane
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255

Glucose biosensor
Electrochemical immobilisation of enzymes on conducting organic salt electrodes: characterisation of an oxygen independent and interference-free glucose biosensor (Centonze et al.) 103

Gold
Cyclic voltammetry and XPS studies of monolayers deposited on gold and platinum electrodes displaced by mercaptopyridines. (Alonso et al.) 241

Halogen dance
Electrochemical reduction of di-, tri-, and tetrahalobenzenes at carbon cathodes in dimethylformamide. Evidence for a halogen dance during the electrolysis of 1,2,4,5-tetrabromobenzene (Mubarak, Peters) 47
H^+ and Li^+ transport
Color impedance and electrochemical impedance studies of WO_3 thin films: H^+ and Li^+ transport (Kim et al.) 31
Hydrogen peroxide
Fabrication of multilayer films containing 1:12 phosphomolybdic anions on the surface of a gold electrode based on electrostatic interaction and its application as an electrochemical detector in flow-injection amperometric detection of hydrogen peroxide (Sun et al.) 63

Kinetics
Insights into the polymerization kinetics of some α-silylated thiophene oligomers (Hapiot et al.) 85

Mass transfer and CPE effects
A method of obtaining the time domain response of an equivalent circuit model (Feliu, Feliu) 1
Mercury
The electrode processes of Ru(III) thiocyanate complexes at mercury and platinum electrodes (Winkler et al.) 267
Modified electrode
Affinity of poly(phenylcyanomethylenefluorene) and poly(dicyanomethylenefluorene) towards metallic cations. Uses of the new interfaces in electrocatalysis (Rault-Berthelot, Rozé) 157
Modified electrodes
Functionalization of electrodes with polyoxometalates $P_2Mo_{18}O_{62}^{6-}$ and $P_2W_{18}O_{62}^{6-}$ (Papadakis et al.) 17

Nucleation–growth process
Kinetic study of underpotential deposition of zinc ions on Pt(111) in acidic phosphate solution (Taguchi et al.) 55
Numerical simulation
Anodic stripping voltammetry at flow-through electrodes: theory and experiment (Ball et al.) 229

Organic phase
The effect of substrate and solvent properties on the response of an organic phase tyrosinase electrode (Deng, Dong) 11
Oxidation
Electrocatalytic oxidation of aliphatic diols. Part V. Electro-oxidation of butanediols on platinum based electrodes (Hilmi et al.) 69
Oxygen reduction
Structure sensitivity of oxygen reduction on platinum single crystal electrodes in acid solutions (Perez et al.) 179

Pb^{2+} analysis
Anodic stripping voltammetry at flow-through electrodes: theory and experiment (Ball et al.) 229
Platinum
Electrocatalytic oxidation of aliphatic diols. Part V. Electro-oxidation of butanediols on platinum based electrodes (Hilmi et al.) 69
Cyclic voltammetry and XPS studies of monolayers deposited on gold and platinum electrodes displaced by mercaptopyridines. (Alonso et al.) 241
The electrode processes of Ru(III) thiocyanate complexes at mercury and platinum electrodes (Winkler et al.) 267
Platinum single crystals
Structure sensitivity of oxygen reduction on platinum single crystal electrodes in acid solutions (Perez et al.) 179

Polyfluorenylidene
Affinity of poly(phenylcyanomethylenefluorene) and poly(dicyanomethylenefluorene) towards metallic cations. Uses of the new interfaces in electrocatalysis (Rault-Berthelot, Rozé) 157
Polyhalobenzenes
Electrochemical reduction of di-, tri-, and tetrahalobenzenes at carbon cathodes in dimethylformamide. Evidence for a halogen dance during the electrolysis of 1,2,4,5-tetrabromobenzene (Mubarak, Peters) 47
Polymerization
Insights into the polymerization kinetics of some α-silylated thiophene oligomers (Hapiot et al.) 85
Polymer–metal composite
Affinity of poly(phenylcyanomethylenefluorene) and poly(dicyanomethylenefluorene) towards metallic cations. Uses of the new interfaces in electrocatalysis (Rault-Berthelot, Rozé) 157
Polyoxometalates
Functionalization of electrodes with polyoxometalates $P_2Mo_{18}O_{62}^{6-}$ and $P_2W_{18}O_{62}^{6-}$ (Papadakis et al.) 17
Pt(111)
Kinetic study of underpotential deposition of zinc ions on Pt(111) in acidic phosphate solution (Taguchi et al.) 55

Random process
Kinetic study of underpotential deposition of zinc ions on Pt(111) in acidic phosphate solution (Taguchi et al.) 55
Response
The effect of substrate and solvent properties on the response of an organic phase tyrosinase electrode (Deng, Dong) 11
Response to arbitrary perturbations
A method of obtaining the time domain response of an equivalent circuit model (Feliu, Feliu) 1
Ru(III) thiocyanate
The electrode processes of Ru(III) thiocyanate complexes at mercury and platinum electrodes (Winkler et al.) 267
Ruthenium
The electrode processes of Ru(III) thiocyanate complexes at mercury and platinum electrodes (Winkler et al.) 267

Second harmonic generation
In-situ ellipsometry and SHG measurements of the growth of CdS layers on $Cd_xHg_{1-x}Te$ (Wark et al.) 173
Silver thiosulphate complexes
Study of the initial stages of silver electrocrystallisation from silver thiosulphate complexes. Part II. Analysis of current transients (Gonnissen et al.) 149
α-Silylation
Insights into the polymerization kinetics of some α-silylated thiophene oligomers (Hapiot et al.) 85
Smooth Au and Pt electrodes
Surface modification of platinum and gold electrodes by anodic oxidation of pure ethylenediamine (Herlem et al.) 259
Solvent
The effect of substrate and solvent properties on the response of an organic phase tyrosinase electrode (Deng, Dong) 11
Substrate
The effect of substrate and solvent properties on the response of an organic phase tyrosinase electrode (Deng, Dong) 11
S-Sulfocysteine
Cyclic voltammetry of *S*-sulfocysteine at a gold + mercury amalgam electrode and application to dual electrode electrochemical detection (Xia et al.) 39
Syntheses
Solid-phase chemistry of electropolymers (Passos et al.) 189

Thiol
Cyclic voltammetry of *S*-sulfocysteine at a gold + mercury amalgam electrode and application to dual electrode electrochemical detection (Xia et al.) 39
Thiophene oligomers
Insights into the polymerization kinetics of some α-silylated thiophene oligomers (Hapiot et al.) 85
Time domain behaviour
A method of obtaining the time domain response of an equivalent circuit model (Feliu, Feliu) 1
1,1,2-Trichloro-1,2,2-trifluoroethane
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255
Trifluoroethene
Electrosynthesis of trifluoroethene and difluoroethene from 1,1,2-trichloro-1,2,2-trifluoroethane (Cabot et al.) 255
Tungsten trioxide
Color impedance and electrochemical impedance studies of WO_3 thin films: H^+ and Li^+ transport (Kim et al.) 31
Tyrosinase electrode
The effect of substrate and solvent properties on the response of an organic phase tyrosinase electrode (Deng, Dong) 11

Underpotential deposition kinetic mechanism
Kinetic study of underpotential deposition of zinc ions on Pt(111) in acidic phosphate solution (Taguchi et al.) 55

X-ray photoelectron spectroscopy (XPS)
Cyclic voltammetry and XPS studies of monolayers deposited on gold and platinum electrodes displaced by mercaptopyridines. (Alonso et al.) 241
XPS chemical analysis
Surface modification of platinum and gold electrodes by anodic oxidation of pure ethylenediamine (Herlem et al.) 259

Zinc underpotential deposition
Kinetic study of underpotential deposition of zinc ions on Pt(111) in acidic phosphate solution (Taguchi et al.) 55